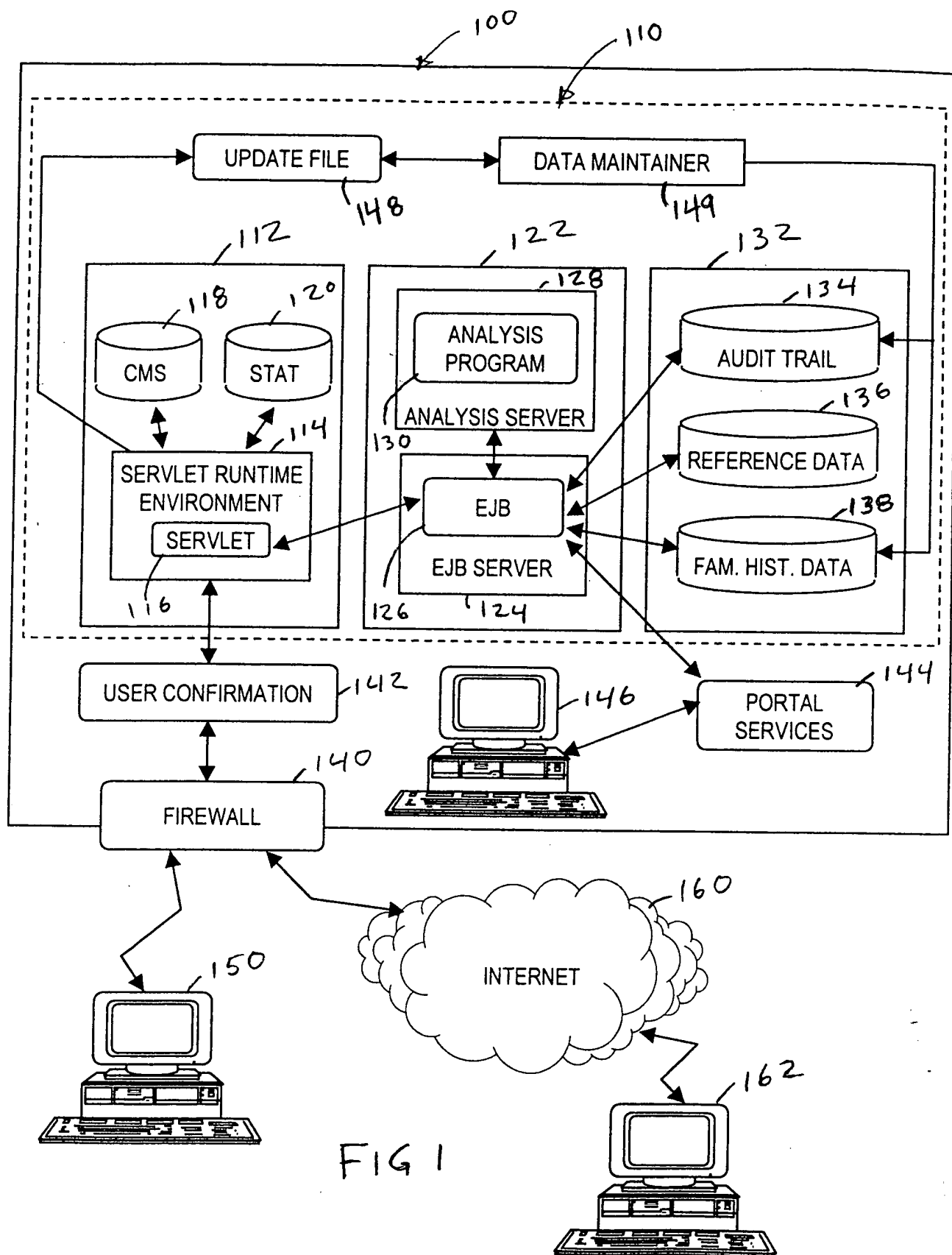


10030706.120401



10010706-120404

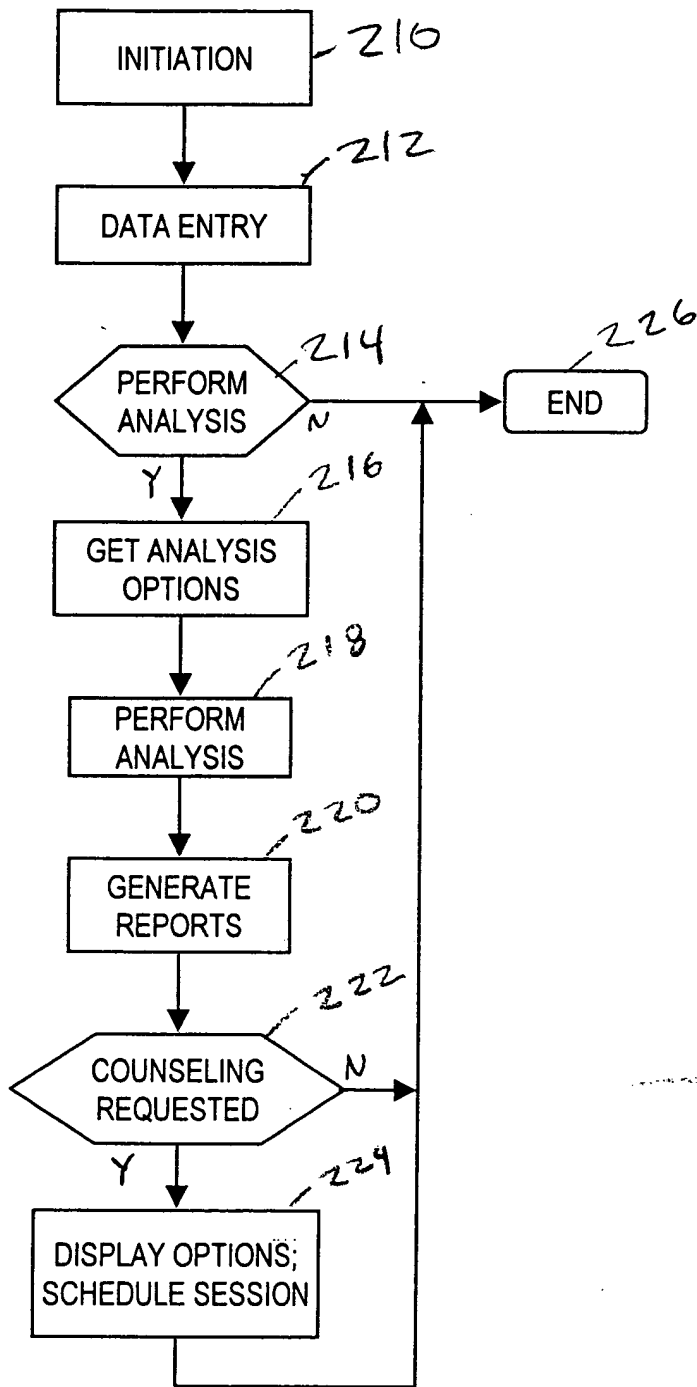


FIG 2

10040706-120404

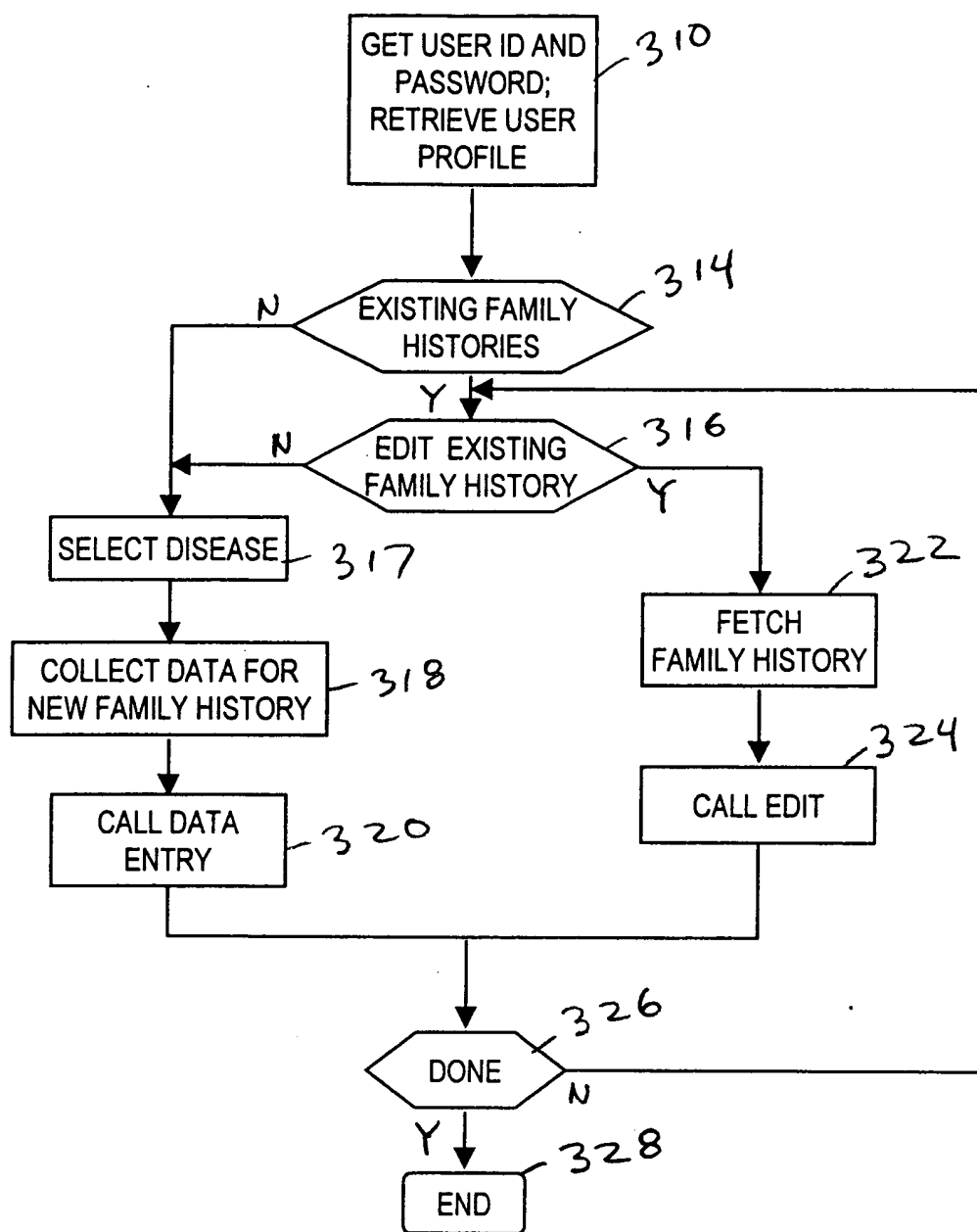


FIG 3

10010706 120404

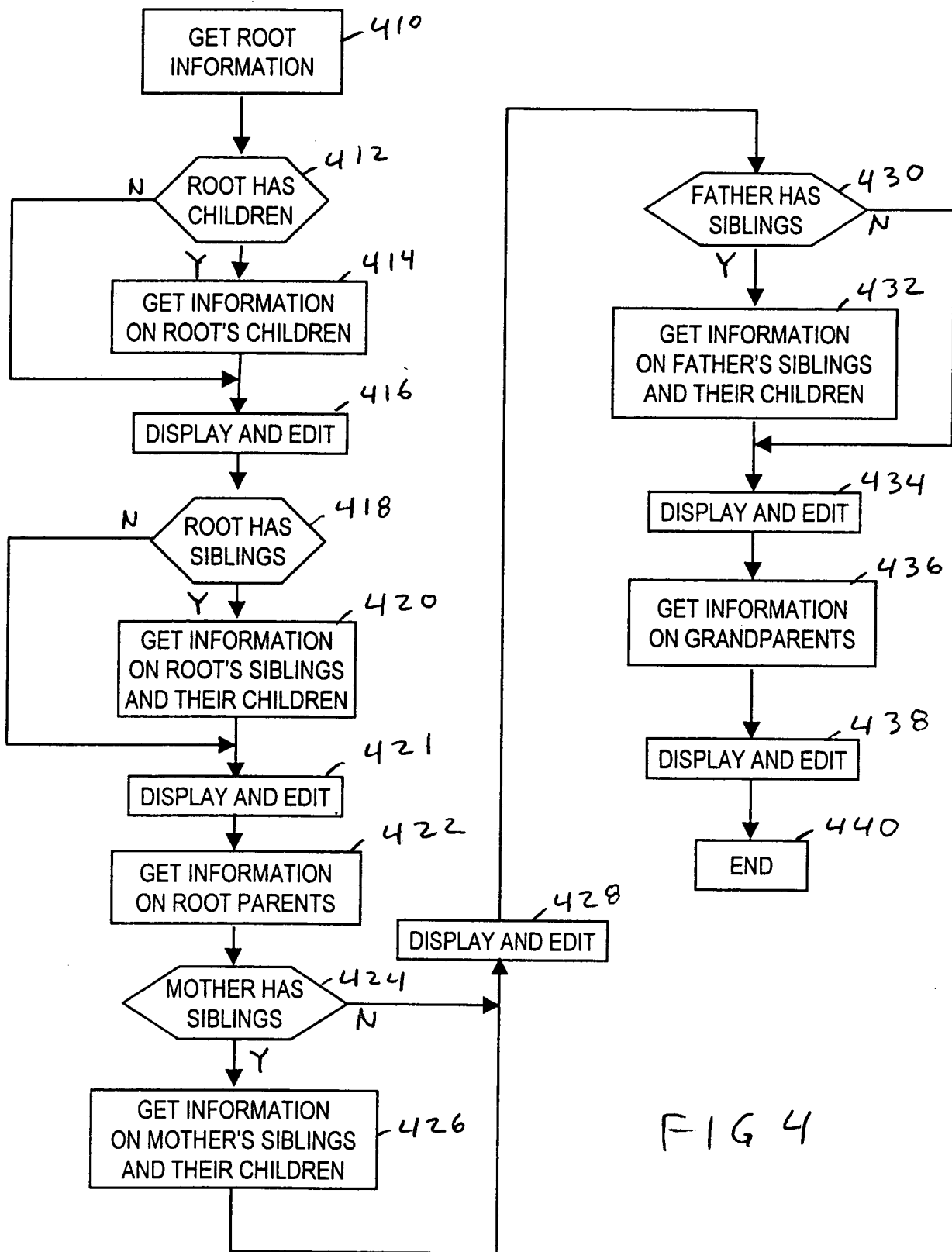


FIG 4

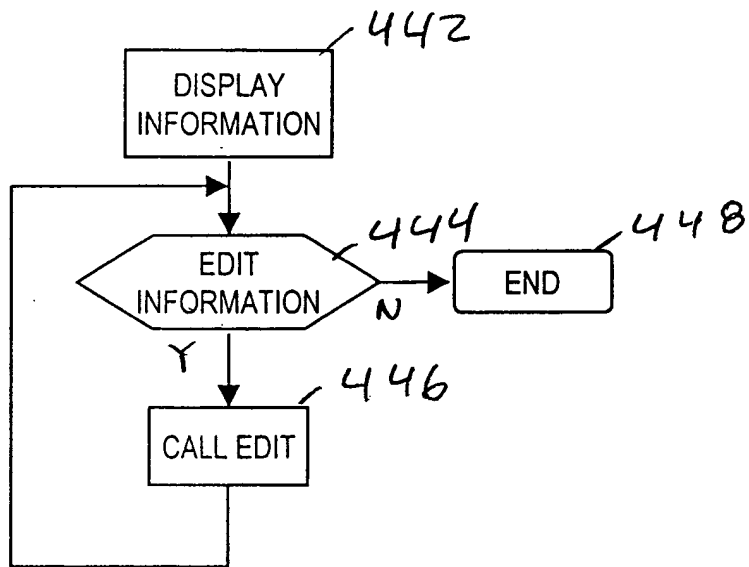


FIG 4A

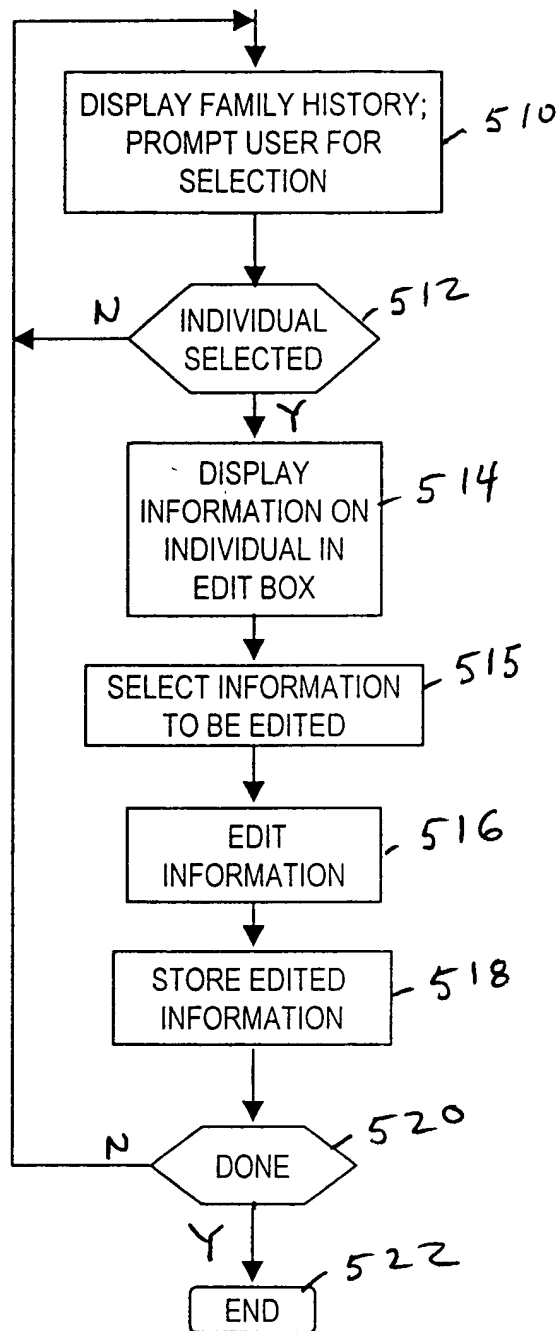


FIG 5

Editing Family History : knnigon/4 - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address http://demo.familygenetix.com/gw/bluegrass/CreatePedigree.srvlet

☒ Brothers, sisters & children  
☐ Mother's family  
☐ Father's family

Personal Details

Name:

Sex: ☒ Female ☐ Male

Age (in years) at last birthday:

Ethnicity:

How many of the following blood relatives do you have?

Brothers:  Sisters:

Sons:  Daughters:

Health History

Do you know about your cholesterol level? ☒ Yes ☐ No

Have you had a heart attack? (Myocardial Infarct) ☒ Yes ☐ No

Have you any white deposits around the knuckles or achilles tendon? (Xanthomas)

Have you any yellow deposits around the eyes? (Xanthelasma)

Company Info | Terms & Policies | Medical Advisors

Re-start Next Finish

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Start Info Microsoft Visual Time Microsoft Word Microsoft PowerPoint Internet zone

FIG 6A

These questions are about Andrew Barker's father .

#### Personal Details

Name:

Date of birth(mm/dd/yyyy)

Is he alive? Yes ☐ No ☐ Don't Know ☐

Medical Record number

Check this box if you want to add information about this person's medical history ☐

#### Cardiovascular Events

Has he ever had a heart attack? Yes ☐ No ☐ Don't Know ☐

Has he ever had a stroke? Yes ☐ No ☐ Don't Know ☐

#### Surgeries

Has he ever had angioplasty? Yes ☐ No ☐ Don't Know ☐

Has he ever had heart bypass surgery? Yes ☐ No ☐ Don't Know ☐

Has he ever had a heart transplant? Yes ☐ No ☐ Don't Know ☐

#### Tests and Test Results

Has he ever had a carotid ultrasound test? Yes ☐ No ☐ Don't Know ☐

Has he ever had a heart scan? Yes ☐ No ☐ Don't Know ☐

Has he ever had a thallium scan? Yes ☐ No ☐ Don't Know ☐

Has he ever had a treadmill test? Yes ☐ No ☐ Don't Know ☐

#### Health and Medications History

Has he ever been diagnosed with diabetes? Yes ☐ No ☐ Don't Know ☐

Does he have high blood pressure? Yes ☐ No ☐ Don't Know ☐

Does he have a thyroid disease? Yes ☐ No ☐ Don't Know ☐

Does he have abnormal lipid levels in his blood? Yes ☐ No ☐ Don't Know ☐

#### Physical Signs and Symptoms

Has he ever had a xanthoma? Yes ☐ No ☐ Don't Know ☐

Has he ever had a xanthelasma? Yes ☐ No ☐ Don't Know ☐

Has he ever had an arcus senilis? Yes ☐ No ☐ Don't Know ☐

#### Lifestyle Risk factors

Has he ever been overweight? Yes ☐ No ☐ Don't Know ☐

Has he ever smoked? Yes, currently ☐ Yes, used to ☐ No, never ☐

Does he exercise regularly 3-4 times a week at a level that brings his heart rate up for more than 30 minutes? Yes ☐ No ☐ Don't Know ☐

#### Cardiac Risk Calculation

Cardiac Risk Calculations

1.

2.

#### Laboratory Data

Laboratory Data

#### Remarks

Extra Information about this individual

1.

2.

OK

Cancel

F1G 6B

10040706-120404



Editing Family History : knnigon/4 - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address <http://demo.familygenetix.com/fgw/bluegrass/CreatePedigree.srvlet>

Brothers, sisters & children  
 Mother's family  
 Father's family

These questions are about you

Personal Details

Name: James - 610

Sex: Male - 612

Age (in years) at last birthday: 60-64 - 614

Ethnicity: White (Northern European) - 616

How many of the following blood relatives do you have?

Brothers: 0 Sisters: 0

Sons: 2 Daughters: 1

Health History

Do you know about your cholesterol level? Yes No

620 Normal 710 712

622 High

Test result known Please select milligrams/decilitre

624 Have you had a heart attack? (Myocardial Infarct) When aged Unknown

Have you any white deposits around the knuckles or achilles tendon? (Xanthomas)

Start Edit Microsoft Visual Time Microsoft Word Editing Fa FamilyGenetix Microsoft PowerPoint Internet zone

3:15 PM

FIG 7A

7C

FIG 7B

70

These questions are about Andrew Barker's father .

**Personal Details**

Name: David Barker

Date of birth(mm/dd/yyyy) 01/12/1962

Is he alive? Yes ☒ No ☐ Don't Know ☐

Medical Record number 7485939374585

Check this box if you want to add information about this person's medical history ☒

**Cardiovascular Events**

Has he ever had a heart attack? Yes ☒ No ☐ Don't Know ☐ At what age? 35

Had more than one heart attack? Yes ☐ No ☒ Don't Know ☐

Has he ever had a stroke? Yes ☐ No ☒ Don't Know ☐

**Surgeries**

Has he ever had angioplasty? Yes ☒ No ☐ Don't Know ☐ At what age? 35

Had more than one angioplasty procedure? Yes ☐ No ☒ Don't Know ☐

Has he ever had heart bypass surgery? Yes ☐ No ☒ Don't Know ☐

Has he ever had a heart transplant? Yes ☐ No ☒ Don't Know ☐

**Tests and Test Results**

Has he ever had a carotid ultrasound test? Yes ☐ No ☒ Don't Know ☐

Has he ever had a heart scan? Yes ☒ No ☐ Don't Know ☐

Was test result abnormal? Yes ☒ No ☐ Don't Know ☐

Has he ever had a thallium scan? Yes ☐ No ☒ Don't Know ☐

Has he ever had a treadmill test? Yes ☐ No ☒ Don't Know ☐

**Health and Medications History**

Has he ever been diagnosed with diabetes? Yes ☒ No ☐ Don't Know ☐

What type of diabetes was diagnosed? Type I ☐ Type II ☒ Don't Know ☐

Has he ever taken any diabetes medication? Yes ☒ No ☐ Don't Know ☐

Has he ever taken insulin to treat diabetes? Yes ☐ No ☒ Don't Know ☐

Does he have high blood pressure? Yes ☐ No ☒ Don't Know ☐

Does he have a thyroid disease? Yes ☐ No ☒ Don't Know ☐

Does he have abnormal lipid levels in his blood? Yes ☒ No ☐ Don't Know ☐

Does he take lipid-lowering medication? Yes ☒ No ☐ Don't Know ☐

Select Drug : Niacin-Vit B3 Dosage : 1000-1999 mgTake other lipid-lowering medication? ☒Select Drug : Colestipol (Colestid)(Packets/Scoops) Dosage : 2 packets or scoops /dayTake other lipid-lowering medication? ☐Select Drug : Lovastatin (Mevacor) Dosage : 36-45 mgTake other lipid-lowering medication? ☐

FIG 7C

10010706-10404

10010706-120404

Physical Signs and Symptoms			
Has he ever had a xanthoma?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>
Has he ever had a xanthelasma?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>
Has he ever had an arcus senilis?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>

Lifestyle Risk factors			
Has he ever been overweight?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>
Is he currently considered overweight?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>
Has he ever smoked?	Yes, currently <input type="radio"/> Yes, used to <input type="radio"/> No, never <input type="radio"/>		
How long did he smoke for?	1-10 <input type="text"/> year(s)		
How long ago did he stop smoking?	1-10 <input type="text"/> year(s)		
Does he exercise regularly 3-4 times a week at a level that brings his heart rate up for more than 30 minutes?	Yes <input type="radio"/>	No <input type="radio"/>	Don't Know <input type="radio"/>

Cardiac Risk Calculation	
Cardiac Risk Calculations	1. 67
	2. 234

Laboratory Data	
Laboratory Data	11/30/2001 <input type="text"/> <input type="button" value="New"/> <input type="button" value="Edit"/>

Remarks	
Extra information about this individual	
1.	<input type="text"/>
2.	<input type="text"/>

OK | Cancel |

FIG 70

Free form editing of Family History Diagrams/3 - Microsoft Internet Explorer

http://demo.familygenetics.com/vip/bluetooth/SelectPedigreeServlet

FamilyGenetics Glossary | Feedback

Review Family History  
Review, Modify, Add and Delete Individuals from your Family History

Help

Services | Care Centers | Features

- Brothers, sisters & children
- Mother's family
- Father's family

822 824 826 828 830

812 814 816 818 820

810 808 806 804

Key

Male Female

Yon Affected

Tales Identical

Assess

Company Info | Contact & Policies | Medical Indications

Health History  
No health history provided

Name: James

Current age: Unknown

Ethnicity: White (Northern European)

Add/Delete Relative

Summary

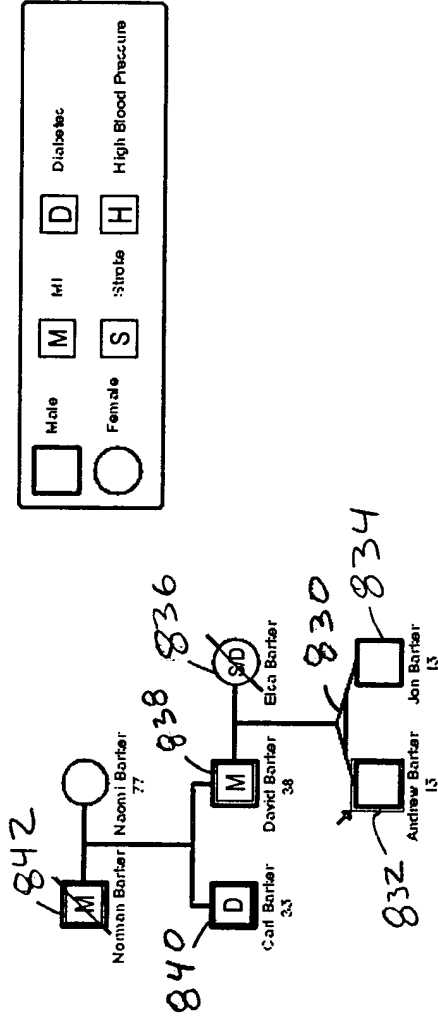
Personal Details

Heart Attacks

Cholesterol

Physical Signs

FIG 8A



Edit Family Structure

Add Parents

Add Brother

Add Sgn

Add Sgn...

Add Sister

Add Daughter

Add Daughter...

Remove Individual

Merge...

Edit Details

Edit Individual

Edit Family details

Show Summary

FIG 8B

100007400027

Free form editing of Family History knnigon/3 - Microsoft Internet Explorer

http://demo.familygenetix.com/gw/bluegrass/SelectPedigree.do

### Review Family History

Review, Modify, Add and Delete Individuals from your Family History

Help Services Care Centers Features

FamilyGenetix | Glossary | Feedback

Brothers, sisters & children  
Mother's family  
Father's family

809 910 912 810

Name: Arthur  
Alive: Yes ☒ No ☐ Unknown ☐ Current age: 914  
Ethnicity: White (Northern European) 916  
Is a twin ☐ Is not a twin ☒  
Identical ☐ Not identical ☒

Key: Male Female You Affected Twins Identical

Save Re-start Access

Undo Company Info Terms & Policies Medical Advisors

Back Forward Stop Reload Home Print Form

FIG 9A

Free form editing of Family History knnigon/3 - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Function Mail Print

Address http://demo.familygenetix.com/fgx/bluegrass/SelectPedigree.srvlet

Familygenetix

Familygenetix | Glossary | Feedback

Help Services | Care Centers | Features

Review Family History

Review, Modify, Add and Delete Individuals from your Family History

Brothers, sisters & children

Mother's family

Father's family

904

```
graph TD
    I1[Male] --- I2[Female]
    I1 --- II1[Male]
    I1 --- II2[Female]
    I2 --- II1
    I2 --- II2
    II1 --- III1[Male]
    II1 --- III2[Female]
    II2 --- III3[Male]
    II2 --- III4[Female]
```

920

1920

Add/Delete Relative

Summary

Personal Details

Heart Attacks

Cholesterol

Physical Signs

This section refers to instances of Myocardial Infarction

Had a heart attack ☒ Aged 80-84 922

Save

Restart

Assess

Company Info | Terms & Policies | Medical Advisors

Start | Info - Microsoft | Visual Timeline | Microsoft Web | Free form | Familygenetix | Microsoft Form | 3:10 PM

FIG 9B

Family Genetix Risk Report - Microsoft Internet Explorer

Address: <http://demo.familygenetix.com/figr/bluegrass/AnalysisServlet>

Family Genetix | Glossary | Feedback

Services | Data Centers | Features

## Inherited High Cholesterol Risk Report

Inherited high cholesterol risk report: Summary

**Risk Summary**

- Family History
- Heart Disease Risk
- Effects on your family
- Managing your risk
- Next Steps

**Increased risk**

1010

The symbol above gives an indication of the level of risk you carry of developing ischaemic heart disease during your life. This has been calculated on the basis of the family history you have provided.

1000

Re-start

Assess

Edit Details

Print Preview

Your family history suggests that you may be at increased risk of inherited or familial hypercholesterolemia (FH). This may also mean that you carry a risk of ischaemic heart disease and "heart attack" also known as myocardial infarct (MI).

1014

Current guidelines suggest that you should discuss your family history further with your doctor and ask to have your cholesterol checked.

1016

It would be worth discussing other factors that may also increase your risk of heart attacks or angina.

1020

If you do have FH there is effective treatment available for developing angina or having a heart attack.

1018

You may want to book a rapid access appointment with our online counselor. The online counselor, with your permission, will receive a copy of this report and your family history. They will be able to offer further guidance.

Family Genetix

Fig 10



110

←

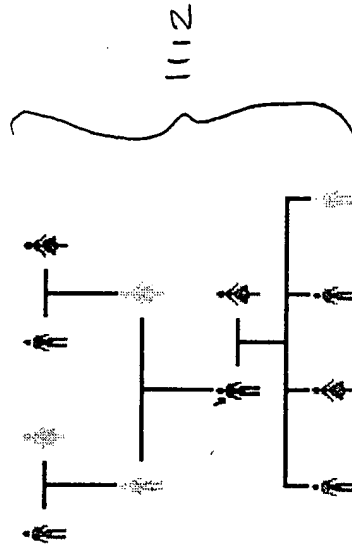
80



Assess

Edit Details

Print Preview



**Your family history:** This diagram shows the structure of your family. The position of your relatives who have been affected by this condition are identified within this structure [yellow]. Your position in the structure is also shown [black with an arrow to the top left]. Refer to the "key" above for further help in interpreting the diagram.

- James's eldest son had xanthelasma
- James's eldest son had a heart attack
- James's eldest son has high cholesterol
- James's mother had xanthelasma
- James's mother had a heart attack
- James's mother has high cholesterol

$$= 517$$

5114

2006-03-01

Name: David Barker		Relationship: patient's Father		MIR#: 87456387		DOB: 12/1/1962							
Cardiovascular events:		Had an MI aged 35.0. Don't know if had a stroke.											
Surgeries:		Don't know if has had angioplasty . Had a heart bypass aged 35.0. Don't know if had a heart transplant.											
Diagnoses:		Don't know if has high blood pressure. Don't know if has diabetes. Don't know if has a thyroid disease. Has a lipid disease . Takes Colestipol/Scoops(3), Lovastatin(mg(46-55) for it.											
Tests:		Don't know if has had a carotid ultrasound test . Has had a heart scan, result was abnormal . Has had a thallium scan, result was abnormal . Don't know if has had a treadmill test .											
Symptoms:													
Risks:		Don't know if exercises regularly Has been overweight Is currently overweight Never smoked											
Cardiac risk calculations		1: 2:											
Comments													
Laboratory Results													
Date of lab	Chol	Trig	HDL	LDL	Lp(a)	Homocyst	Cardio CRP	CPK	AST	ALT	TSH	Glucose	HbA1C
11/30/2001	Normal	Normal	Not Done	34 Umg/dL	Abnormal	Abnormal	Abnormal	Not Done	Abnormal	Not Done	Abnormal	Not Done	Not Done

FIG 12